

EXCERPTA MEDICA Sec.6 Vol.11/2 Internal Med. Feb.57  
MIHAI C.

894. MIHAI C., MICU D., TĂNĂSESCU M. and VICIU E. \*Apa extracelulară la hipertensivi. The extracellular fluid in hypertension PROBL. CARDIOL. 1955, 2 (257-262)

The volume of extracellular fluid is increased in young, lean patients with hypertension, in those with cardiorenal complications, in those with hyperfolliculinism and in those with elevated cellular permeability. The volume of extracellular fluid is diminished in hypertensives with arteriosclerosis, old age and obesity. Hyperkalaemia is seen in all, but this should not be considered as an index of increase or diminution of the cellular permeability.

MIHAI, C.; MICU, D.; TANASESCU, M.; VICIU, E.

Extracellular fluid in hypertensive patients. Probl. card., Bucur.  
2:257-262 1956.

(HYPERTENSION, physiology

increase & decrease of extracellular fluid in various  
types of patients)

(BODY FLUIDS

extracellular fluid increase & decrease in hypertension)

EXCERPTA MEDICA Sec.2 Vol.10/9 Phy.Biochem. Sept 57  
MIHAI C.

3912. MIHAI C. and TĂNĂSESCU D. " O nouă tehnică de determinare a permeabilității capilare și valoarea ei clinică. A new method for the evaluation of capillary permeability VIATA MED.(Bucuresti) 1956, 3/7 (89-91)

The method described can be used in various diseases and its results are equal in value to those of the Landis test. Compression at 50 mm. Hg is applied to one arm for 30 min. and then the viscosity of anticoagulant-treated blood and plasma from the compressed and the normal arm is measured. In normal subjects the viscosity index is 0-2 for blood and 0-1 for plasma. The porosity index, calculated from the relationship between the viscosity index of the blood and that of the plasma, is 2 or at the most 3 in the normal subject. Values higher than these indicate an increase of capillary permeability. The porosity index is raised in infectious hepatitis, serofibrinous pleural effusion, pneumonia, Graves-Basedow disease, glomerulonephritis, thrombophlebitis, convalescent states, etc. (11, 18\*)

MIHAI, C., Dr.; FILIPESCU, Z., dr.

Water metabolism disorders in arterial hypertension. Med.  
int., Bucur. 4 no.8:1120-1125 Dec 56.

1. Lucrare efectuata in Clinica medicala a spitalului I. C. Frimu.  
(Director: profesor S. Iagnov) si Clinica de semeiologie a Spitalului  
C. Davilla (Director C. C. Dimitriu).

(HYPERTENSION, complications  
disord. of water metab.)

(WATER metabolism  
disord. in arterial hypertension)

HEPATOMA / Pharmacology. Toxicology. Various Preparations.

Abs Jour : Ref. Zaur - Biology, No. 3, 1959, 139-147

Aut. or Inst. Title : Mihai, C. i Constantinescu-Tapolar, C.

: In Connection With the Lithotropic Effect of Some Compounds of the Tricarboxylic Cycle.

Orig Pub : Med. Interna, 1956, 33, No. 2, (6), 808-826

Abstract : The connection of chronic hepatitis with a disorder of metabolism was established. Clinical observations and laboratory analyses demonstrated the presence of an excess of pyruvic acid in patients with hepatitis. This excess may be eliminated either by means of pyruvate or acetylcoenzyme utilization in the form of utilizing succinic, malic or fumaric acids. 35 mice

Card 1/3

RULANIA / Pharmacology. Toxicology. Various  
Preparations.

7

Abs Jour : Ref. Zhur - Biologiya, No. 1, 1959, 13987

were chronically poisoned with carbon tetrachloride (I), which induced steatosis and cirrhosis of the liver. 0.05-0.1 ml of I was introduced subcutaneously. The animals perished in the course of 2-10 days, with the presence of steatosis and necrosis. With simultaneous introduction of methylene blue, the mice perished only on the 17-40th day. The animals which were given dicarboxylic acids lived for a duration of 2 months. In mice to which succinic acid was introduced, no appearance of steatosis or necrosis was noted; the histological picture of the liver was normal. The effect of malic and fumaric acids was expressed to a lesser degree. It is assumed that the above-named acids defend

Card, 2/3

MIHAI, C., Dr.

Capillary insufficiency syndrome. Med. int., Bucur. 8 no.3:  
396-404 July 56.

1. Lucrare efectuata in Clinica medicala a Spitalului Dr.  
C. Davila (Director-prof. C. C. Dimitriu).  
(CAPILLARIES, diseases  
insuff., pathogen. & ther.)

EXCERPTA MEDICA Sec 18 Vol. 1/11 Cardiovas. Dis. Nov 57

3107. <sup>MIHAI C.</sup> MIHAI C. and FILIPESCU Z. Contribuții la studiul tulburărilor hidrice in hipertoniile arteriale *Disturbances in water metabolism in the course of arterial hypertension* Med. intern. (București) 1956, 8/4(8) series B (1120—1125) Tables 3  
Hypertensive patients were followed up in the course of different stages of their disease, a study being made of the capillary permeability (25), the osmotic pressure (19) and the volume of extracellular fluid (29). All the patients presented pathological changes in capillary permeability. In the course of visceralization or after visceralization, hypertensive patients manifested a marked increase in capillary permeability. The osmotic pressure and the volume of the extracellular fluid increased parallel to the course of the disease. In atherosclerotic hypertensive patients, the capillary exchange and the volume of the extracellular fluid were both reduced. Stress is laid on the part played by tissue hypoxia due to arteriolar spasm in the release of these disturbances and in the development of visceralization.  
Nicolaesco - Bucharest (XVIII, 6)

MIHAI, C.; CONSTANTINESCU-WAPPLER, C., dr.

Lipotropic effects of several compounds of the tricarboxylic cycle. Med.int., Bucur. 8 no.6:808-826 Oct 56.

1. Lucrare efectuata in Clinica a II-a medicala si Clinica a III-2 chirurgicala ale Spitalului Carol Davila.

(METABOLISM, TISSUE

Krebs cycle, lipotropic eff. of participating cpds.)

TURAI, I. & MIHAI, C.; FILLIPESCU, Z.

Investigations concerning haemato-tissular changes during spinal anesthesia and operative disease. Humanian M. Rev. 1 no.1:88 Jan-May 57.

(ANESTHESIA, SPINAL, eff.  
on blood & tissues of surg. patient)  
(BLOOD, eff. of drugs on  
spinal anesth. in surg. patient)

1954, p. 1

1954, p. 1

... de taboleta de normal ...  
clintica ... mineral; clinica, fiziopatologia, tratament  
(le) C. Mihai, G. Gili, (si) ...  
completata. Bucuresti, Editura Medicala, 1954, p. 1.

... list of ...  
1954, p. 1

EXMPPTA MEDICA Sec 6 Vol 13/7 Internal led. July 59

3566. THE RELATIONSHIP BETWEEN VESSELS AND INTERSTICES CONCERNING WATER, PROTEIN AND LIPID EXCHANGES IN THE COURSE OF CHRONIC HEPATITIS - Contribuții la studiul raportului dintre vase și interstii privind schimburile hidrice, proteice și lipidice în evoluția hepatitelor cronice - Mihai C. and Solomon S. - MED. INTERNA (București) 1958, 10/2 (253-260) Tables 3

A study of 28 patients suffering from infectious hepatitis revealed lipoprotein disturbances in the cellular membrane resulting in a water imbalance between vessels and interstices. In the following stages of the disease, an increase in permeability, not only to fluids, but also to lipids and proteins, was observed.  
Nicolaeșco - Bucharest

MIHAI, G., dr.; BOIU, M., dr.; IONESCU, P., dr.; MILCU, V., dr.

Contributions to the pathogenesis of the complications of influenza  
(epidemic of 1959). Med. int., Bucur. 11 no. 11:1687-1692 N '59.

(INFLUENZA, complications)

(CAPILLARIES, pathology)

(PULMONARY EDEMA, etiology)

(PNEUMONIA, etiology)

NICULESCU, Teodor, conf.; MIHAI, C., dr.; PETRIC, Maria, dr.; POPESCU, Emanoil, dr.; OANCEA, C., dr.

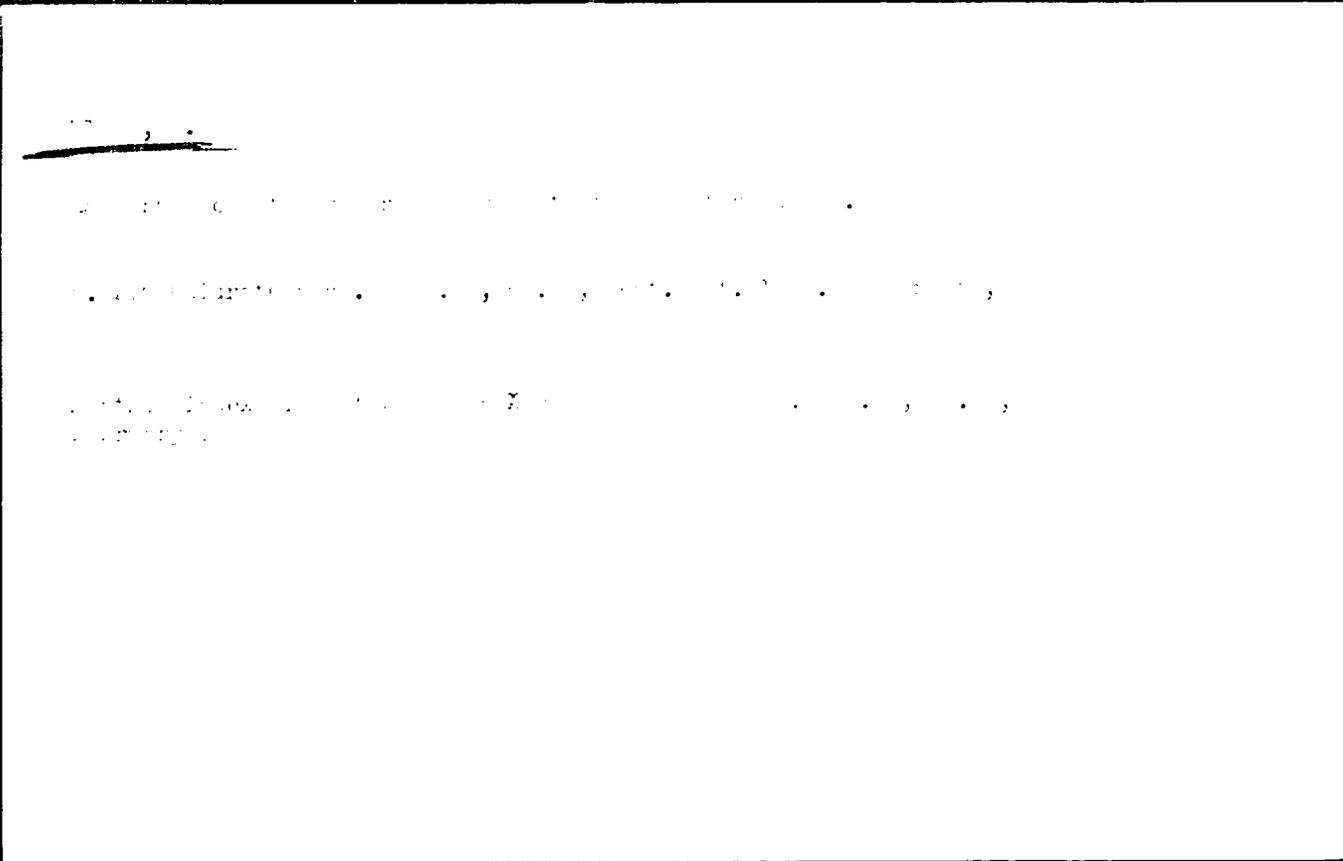
Stenosing regional enteritis, with primary jejunal localization, evolving into a malabsorption syndrome. Med. intern. 14 no.4:499-504 Ap '62.

1. Lucrare efectuata la Clinica medicala a Spitalului "Carol Davilla", Serviciul de radiologie.  
(ILEITIS, REGIONAL) (JEJUNUM) (SPRUE) (INTESTINAL OBSTRUCTION)

MIHAI, C., dr.; HULUBEI, P., chim.; OANCEA, C., dr.

Clinical value of urinary pentodyopent and porphobilinogen in patients with hepatic and renal diseases. Med. intern. 15 no.3:355-362 Mr '63.

1. Lucrare efectuata in Spitalul "C. Davila", Bucuresti.  
(LIVER DISEASES) (KIDNEY DISEASES) (HEMOGLOBIN)  
(BLOOD CHEMICAL ANALYSIS) (PYRROLES) (URINE)  
(PORPHYRINS)



SECHEL, Vasile, ing.; CAZACU, Iulian; MORARU, Nicolae, ing.; ACHIM, Stelian, ing.; MIHAI, Dumitru, ing.; ANDREI, I.; CURPAN, V.; BOT, Iosif; STROHLI, Ignat; LUPSE, O., ing.; PELICALA, Gh., ing., TEODORESCU, Dumitru, ing.

Modern technological proceedings in mechanical engineering.  
Probleme econ 18 no.1:154-163 Ja '65.

1. Technical Director, "Tractorul" Plant, Brasov (for Sechel).
2. Chief Planning Engineer, "Tractorul" Plant, Brasov (for Cazacu)
3. Technical Director, "Independenta" Plant, Sibiu (for Moraru).
4. Chief Technologist, "Independenta" Plant, Sibiu (for Achim).
5. Director. Colibasi Plant for Automobile Parts (for Mihai).
6. Director. Metallurgic Plant, Bacau (for Andrei). 7. Chief Engineer, Metallurgic Plant, Bacau (for Curpan). 8. Director, "Unirea" Metallurgic Plant, Cluj (for Bot). 9. Chief Engineer, "Unirea" Metallurgic Plant, Cluj (for Strohli). 10. Chief Metallurgist, "Unirea" Metallurgic Plant, Cluj (for Lupse).
11. Director, "Feroemail" Plant Technical and Sanitary Products and Installations, Ploiesti (for Pelicala). 12. Head of Technical Services, "Feroemail" Plant for Technical and Sanitary Products and Installations, Ploiesti (for Teodorescu).

PARHON-STEFANESCU, Constanta; RODIN, Z.; MICLEA, Elena; HUHULEA, Teodora;  
MIHAI, Elena.

Considerations on the relation between endocrine diseases and as-  
thenic neurosis. Stud. cercet. endocr. 14 no.4/5/6:579-584 '63.

NEAMU, Gh. (Bucuresti); MIHAI, Elena (Bucuresti)

Place of climatology in the geographical science system. Natura  
Geografie 15 no.4:22-24 Jl-Ag '63.

SEITAN, O. (Bucuresti); MIHAI, El. (Bucuresti)

"The climate of Rumania" by St. Stoenescu and others. Reviewed  
by O.Seitan, El. Mihai. Natura Geografie 15 no.5:90-91 S-0  
'63.

Office of the Director, Central Intelligence Agency  
Washington, D.C. 20505  
Date: 10/15/65

MIHAI, El. (Bucuresti)

"Rainy and droughty years in Rumania" by N. Torjor. Reviewed by El. Mihai. Natura Geografie 17 no.1:91-92 Ja-F '65.

Mihai, F.

RUMANIA/Analysis of Inorganic Substances

G-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19621

Author. : J. Dick, F. Mihai

Inst : Academy of People's Republic of Romania, Timi-  
soara Base.

Title : Concerning New Rapid Method of Gravimetric Deter-  
mination of Bismuth.

Orig Pub: Studii Si Cercetari Stiint. Acad. RPR. Baza Timi-  
soara. Ser. 1, 1955, 2, No 1 - 4, 97 - 192.

Abstract: The method of gravimetric determination of Bi as  
gallate is described. A sample of the analysed  
substance weighing 0.1 to 0.2 g is dissolved in  
0.5 ml of diluted HNO<sub>3</sub> (1:1) being constantly  
stirred, about 5 ml of water are added and stirred,

Card 1/2

- 100 -

ORIGINAL, FR.

27 27 4

Rapid method for analyzing for bismuth and lead.  
 Dick and B. Millar. *Anal. Chem.* 1954, 26, 1000. *Anal. Chem.* 1954, 26, 1000.  
 ceresit. *Anal. Chem.* 1954, 26, 1000. *Anal. Chem.* 1954, 26, 1000.  
 citrate chim. 4. Nov. 1-2, 73-80 (1950). The method con-  
 sists of pptg. Bi in the form of Bi gallate,  $\text{Bi}_2\text{O}_3$ , and  
 Pb as  $\text{PbSO}_4$ . The sample mixt. is dissolved in a small vol. of  
 7.5N  $\text{HNO}_3$  (1). 150-200 ml.  $\text{H}_2\text{O}$  is added, the mixt. is  
 brought to boiling, and 15-20 ml. of a 2% soln. of gallic acid  
 is added dropwise. The microcryst. yellow ppt. formed  
 during stirring is filtered, washed several times with 20-30  
 ml. boiling  $\text{H}_2\text{O}$ , 2-3 ml. 85% alc., then 2-3 ml.  $\text{H}_2\text{O}$ .  
 The ppt. is dried and weighed. The filtrate combined with  
 50 washings is acidified with 10 ml.  $\text{H}_2\text{S}$  and  $\text{H}_2\text{S}$  is bubbled with  
 1-2 bubbles per sec. for 5 min. The ppt. is filtered, washed  
 with cold  $\text{H}_2\text{O}$ , 85% alc., then 2-3 ml.  $\text{H}_2\text{O}$ , dried, and  
 weighed.

T. Colucci

M. M. A. FR.

A new rapid method for the gravimetric determination of copper. J. Dick and Fr. Mihai (Inst. Politehnica, Timisoara). *Acad. Rep. Populare Romane, Baza Cercetari Chim. Timisoara, Studii cercetari chim.*, Ser. I, 4, 67-71(1967).  
 Cu is pptd. as the Cu diliturate of formula  $(C_2H_5O)_2NO_2 \cdot Cu \cdot 8H_2O$ . The pptn. is done by dissolving 2 g. of  $CuSO_4 \cdot 5H_2O$  in 250 ml. of water and 150 ml. of 95% alc. then adding 300 ml. of a 50% soln. of 3% dilituric acid, and stirring. The ppt. is filtered through a Buchner funnel and washed with a soln. contg. 40% of 95% alc. and 0.03% dilituric acid; it is also washed 6-8 times with 95% alc. and 5-6 times with abs. ether. The Cu detn. is done by dissolving 0.1-0.2 g. of the unknown in 50-60 ml. of water and 20-5 ml. of 95% alc. and pptg. with 40-50 ml. of a 2% dilituric acid soln. The ppt. is light blue and insol. in water, alc., and ether. The soln. is decanted through a glass or porcelain crucible and washed 1st with a soln. contg. 40% of 95% alc. and finally 4-6 times with 2 ml. of abs. ether. The ppt. is dried in a vacuum desiccator for 5-10 min. Small quantities of  $NH_4^+$  salts do not interfere but  $Cd$ ,  $Co$ ,  $Ni$ ,  $Pb$ , and  $Zn$  do. The sensitivity is 1.5  $\gamma$  Cu/ml.  
 A. Berlin.

4

M

Country : Rumania E-2  
Category : Analytical Chemistry.  
Abs. Jour. : Ref. Zhur - Khim., No 7, 1959 23009  
Author : Dick, J.; Mihal, Fr.  
Institut. : Rumanian Academy  
Title : New Rapid Methods of Semimicro-Gravimetric  
Determination of Cadmium and Copper  
Orig. Pub. : Studii si cercetari stiint. Acad. PPR. Baza  
Timisoara. Ser. stiinte chim., 1957, 4,  
No 3-4, 91-95  
Abstract : For semi-microdetermination of Cd and Cu modifi-  
fications were made in previously described macromethods  
(RZhKhim, 1958, 7581), based on precipitation of these ele-  
ments with 5-nitro-barbituric acid (I), in neutral or weakly  
acidic media (0.2% HNO<sub>3</sub>), as Cd(C<sub>4</sub>H<sub>2</sub>O<sub>3</sub>N<sub>2</sub>NO<sub>2</sub>)<sub>2</sub>.8H<sub>2</sub>O and  
Cu(C<sub>4</sub>H<sub>2</sub>O<sub>3</sub>N<sub>2</sub>NO<sub>2</sub>)<sub>2</sub>.8H<sub>2</sub>O, respectively. Reaction sensitivity  
1  $\mu$ /ml Cd or 1.5  $\mu$ /ml Cu. Sample of salt being analyzed,  
containing 2 mg Cd or Cu, is dissolved in 10-15 ml water,  
solution diluted with equal volume 95% C<sub>2</sub>H<sub>5</sub>OH, and acid  
10-15 ml of 1% solution of I in 50% C<sub>2</sub>H<sub>5</sub>OH. After 5-10 minutes  
of stirring the precipitate is transferred to a filter cruci-  
ble, washed with 95% C<sub>2</sub>H<sub>5</sub>OH and ether, dried in vacuum  
Card: 1/2

Country : Rumania  
Laboratory : Analytical Chemistry.

E-2

Pub. J. Nr. : Ref. Zhur - Khim., No 7, 1959

22046

Author : Mihai, Fr.  
Institution : Rumanian Academy

Title : New Method of Separating Bismuth from Cadmium and Copper and of Determining These Elements.

Pub. No. : Studi si cercetari stiint. Acad. PRt. Baza Timisoara. Ser. stiinta chim., 1959, 4, No 3-4, 123-128

Abstract : For the separation of  $Bi^{3+}$  from  $Cu^{2+}$  and  $Cd^{2+}$ , and for their subsequent semi-microdetermination, in low-melting alloys, use is made of the method based upon precipitation of Bi with gallic acid (I) (Zhurim, 1959, 17614). 0.007-0.03 g of the substance being analyzed are dissolved in 6-8 drops  $HNO_3$  (1:1), the resulting solution is gradually diluted with hot water to 30-40 ml, heated to a boil, and there are added, dropwise and with continuous stirring, 4-5 ml of 1% solution of I. The yellow crystalline precipitate of  $BiC_7O_8H_9$  that is formed, is transferred immediately to a filter crucible, washed with hot water (15-20 ml), 95%  $C_2H_5OH$ .

Yield: 1/2

E-2

RUMANIAN / Physical Chemistry. Thermodynamics. B-8  
Thermochemistry. Equilibria. Phase Trans-  
itions. Physico-Chemical Analysis.

Abs Jour: Ref Zhur-Khiziya, No 7, 1959, 22508.

Author : Mihai, Fr.  
Inst : Academy of Sciences of Rumania.  
Title : Thermogravimetric Study of Some Derivatives of  
5-Nitrobarbituric (Dilituric) Acid.

Orig Pub: Studii cercetari stiint. Acad. RPR. Baza Timis-  
oara. Ser. stiinte chim., 1957, 4, No 3-4,  
129-136.

Abstract: The salts of the 5-nitrobarbituric (dilituric)  
acid, corresponding to the formula  $C_4H_2O_3N_2(NO_2)_2$   
 $M \cdot 8H_2O$ , where  $M = Cd, Cu, Co$  and  $Mn$ , were stud-  
ied by the thermogravimetric method in the range  
from 40 to 600°. The rate of heating of the fur-

Card 1/3

B-8

RUMANIA / Physical Chemistry. Thermodynamics.  
Thermochemistry. Equilibria. Phase Trans-  
itions. Physico-Chemical Analysis.

B-8

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 22508.

Abstract: nance was 30 per min., and the weight of samples was 0.05 - 0.2 g. The results are presented in tables and graphs. The temperatures, at which decomposition takes place, are found from the thermogravimetric curves; the intermediary and final compounds are determined basing on calculations. The composition of the initial compound derived by these calculations served to check the composition established by the analytical method. The curves of the thermal decomposition of the Cd salt show that the loss of water of crystallization, starting at 70 - 80°, ends at 150°. The decomposition of the anhydrous salt takes place in the range from 200 to 230°

Card 2/3

15

LATIU, E.; MIHAI, F.; CICOARE-METES, L.

Researches on the varieties of the serpentine, chrysotile, and antigorite of the Dubova-Orsova area, region of Timisoara. *Studii chim Timisoara* 6 no.3/4:85-93 J1-D '59. (EEAI 10:4)

(Rumania--Serpentine)

(Rumania--Chrysolite)

(Rumania--Antigorite)

LATIU, E.; MIHAI, Fr.; CICOARE, Lucia

Research on the bentonite of the Tomesti-Faget area. Studii mat  
Timiscara 7 no.1/2:179-192 Ja-Je '60. (EEAI 10:4)  
(Rumania--Bentonite)

MIHAI, F.; ROCH, B.

The calcium and strontium compounds of dilituric acid. *Studii chim Timisoara* 7 no.3/4:303-311 J1-D '60. (EEAI 10:9/10)

(Calcium) (Strontium) (Dilituric acid)

LATIU, E.; MIHAI, F.; CICOARE, Lucia

Studies on some bentonitic soils of the regions of Banat and  
Humedoara. Studii chim Timisoara 8 no.1/2:171-180 Ja-Je (61.

(Rumania—Soils) (Bentonite)

CRISTEA, I.; MIHAI, F.; POP, Gr.

Contributions to the catalyzer research on the heterogeneous  
catalytic synthesis of vinyl acetate. Studii chim Timisoara 10  
no.1:101-113 Ja-Je '63.

MIRAI, F.

Kinetics of diisoturate degradation of magnesium, calcium,  
and strontium. *Studia chimica* 10 no. 5 427-428  
Jul '63.

MIHAI, F.

Kinetica of isothermal dehydration of some metallic diliturates.  
Studii cerc chim 13 no.11:825-839 N '64.

1. Research Base, Timisoara, Rumanian Academy, 24 Bd. Mihai  
Viteazu.

CIORANESCU, Ecaterina; MINAI, Angela; MINAI, G.; ELIAN, M.; NENITescu, C.D.

Carbonium ion reactions. Pt. 4. *Studia Universitatis Bucuresti* 1965, 10:1-10:105.

1. Institute of Organic Chemistry, Rumanian Academy, Bucharest.  
Submitted November 17, 1964.

SECRETARY OF DEFENSE  
WASHINGTON, D.C.

MEMORANDUM FOR THE SECRETARY OF DEFENSE  
FROM: [Illegible]

SUBJECT: [Illegible]

IANULIU, C., ing.; VASILE, Gh., ing.; IANULIU, Gh.; IANULIU, M.; IANULIU, M.  
VASILESCU, I., ing.; ROSU, A., ing.; PAVLI, I., ing.; IANULIU, M.;  
IANULIU, Gh.; SANDULESCU, I., ing.; AVACHIAN, A., ing.; ANDREICOVICI, Gh.,  
Gh., ing.; IANULIU, M., ing.

New technology in cotton spinning for improving yarn quality. Ind text Ser. 14, no. 10:448-450, 1963.

1. De la Filatura romaneasca de bumbac (for Ianaitide, Iancu, Ionescu, Radu, Pavel, I., Vasilescu, Iosu, Pavel, M., Inodi, Mihai, Sandulescu).
2. De la Institutul de cercetari textile (for Avachian, Andreicovici, Interfing).

*M. Nat, C.H.*

RUMANIA/ Soil Science - Genesis and Geography of Soils.

Abs Jour : Ref Zhur - Biol., No 2, 1952, 194-6

Author : Mihai, G.

Inst : -----

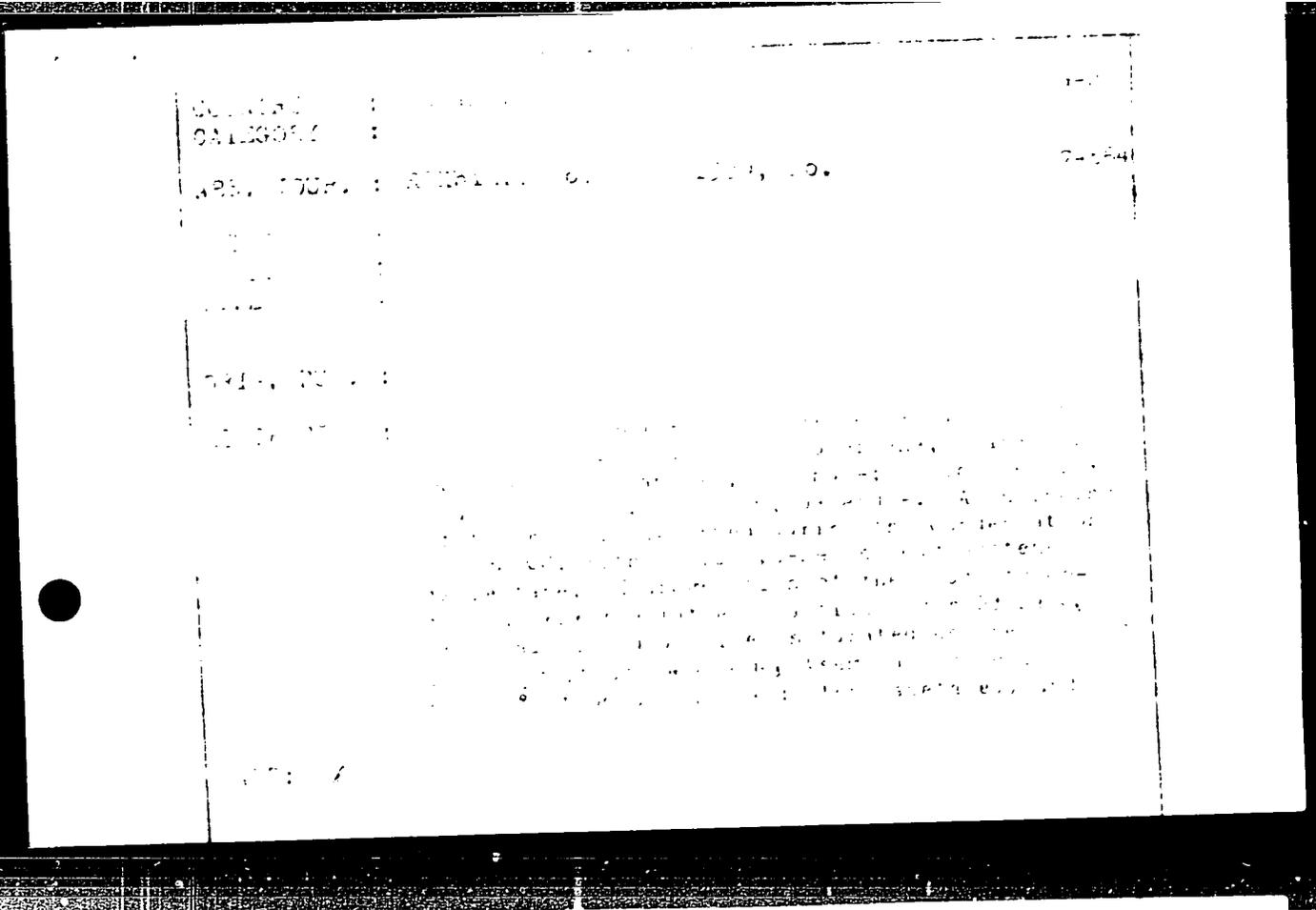
Title : A Study of Degraded Soils on the Transylvanian Plateau.

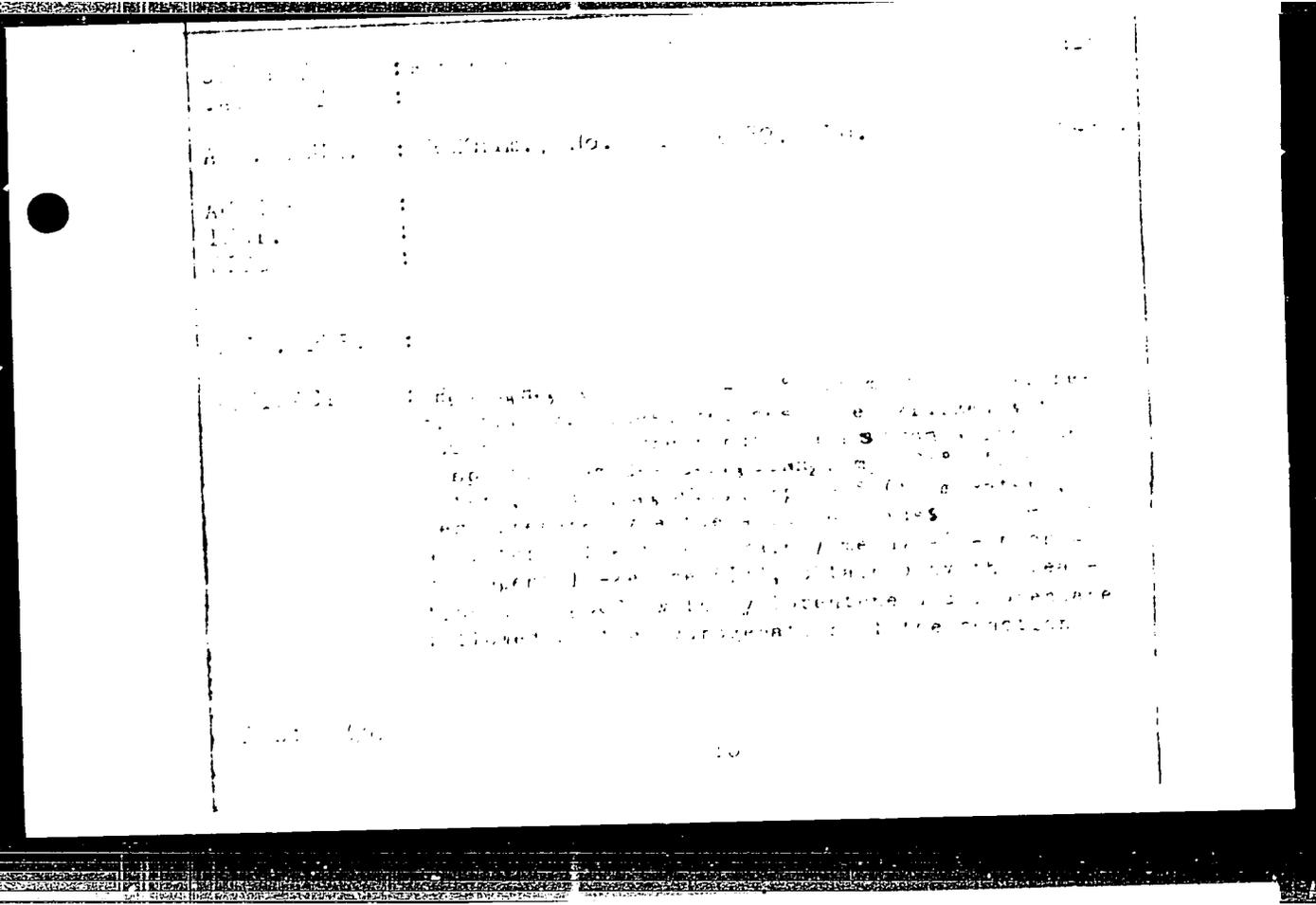
Orig Pub : An. Inst. Secretari Silvice, 1955, Pt. No 1, 155-288

Abstract : A description is given of the characteristics of soil formation in Transylvania and of the soils which are most common there: chernozems, light and dark gray-brown soils, gray-brown podzols and podzol soil, alluvial and colluvial soil formations. The morphological and several physical and chemical properties of the soils are characterized, and the soils are evaluated from the agricultural point of view. Particular attention is devoted to anti-erosion significance of combining various grasses, forest plants, and agricultural crops.

Card 1/1









COUNTRY : Bulgaria  
ORIGIN :

8--

ABST. JOUR. : RBKHE., No. 1 1959, No.

7.104

AUTHOR :  
TITL. :  
TYPE :

ORIG. PUB. :

ABSTRACT : 171 190°. The reaction of 20 gms cyclopentene  
with 0.5 g NaOH gives 20 gms I, bp 100-105°/5 mm,  $d_4^{20}$   
1.070 (from aqueous alc), 2,4-dinitrophenyl-  
ketone (D.N) bp 102° (from alc). 40 gms of the  
10 of I are boiled 2-3 hrs with a solution of 60 gms  
(60%), in 500 ml water, neutralized with NaOH,  
and extracted with ether, giving 12.5 gms methyl-  
(2-hydroxycyclopentyl)-ketone (II), yield 50%.  
bp 102°/5 mm,  $d_4^{20}$  1.4706,  $d_4^{25}$  1.0532, D.NP mp  
122° (from aqueous 2% NaOH and alc). Successive

CARD: 1/1

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NEWS 211.

AMERICAN

Periodicals: LEVISTA D'OPINIONE, Vol. 11, No. 1, p. 11.

USSR, 1. Pedagogical conference of Leningrad, an important event for the development of the science of Russia to be. 11.

Monthly List of East European Assessments (EEA) 11, Vol. 1, No. 1,  
February 1951, includes.

MIHAI, G.H.

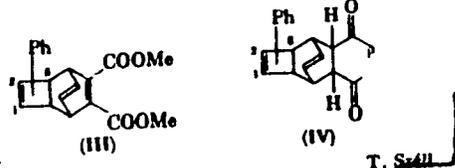
Distr: 4E3d

7

Addition compound of phenylcyclooctatetraene with

dimethyl acetylenedicarboxylate and with benzoquinone.  
 I. Pogány, Gh. Mihaï, and C. D. Nenitzescu (Acad. R.P.R.,  
 Bucharest, Romania). *Atas. rep. populare Romane, Studii  
 cercetari chim.* 7, 235-42 (1959) (German summary).  
 Phenylcyclooctatetraene (I) (5 g.) was heated with 6 g. di-  
 methyl acetylenedicarboxylate (II) at 130° 48 hrs. under a CH<sub>4</sub>  
 atm. Fractionation *in vacuo* gave an addn. product (III),  
 yellowish sirup, and a CHCl<sub>3</sub>-sol. black resinous residue.  
 III (5 g.) was kept under a CO<sub>2</sub> atmosphere at 280°. Gas  
 (60 cc.) was evolved; the residue was fractionated *in  
 vacuo*. Di-Me phthalate (1.35 g.), b<sub>p</sub> 110-12°, and a  
 nonvolatile polymer of phenylcyclobutadiene were ob-  
 tained. The latter was converted into benzoic acid by  
 oxidn. with KMnO<sub>4</sub>. I (8.5 g.) and benzoquinone (9 g.)  
 was boiled in 125 cc. C<sub>6</sub>H<sub>6</sub> under an inert atm. 24 hrs.  
 From the solid residue obtained by removing C<sub>6</sub>H<sub>6</sub> *in vacuo*,  
 11 g. IV, m. 174-70°, was extd. with EtOH and recrystd. m.  
 184-6° (EtOH). IV (11 g.) was boiled in 100 cc. Ac<sub>2</sub>O and

5 cc. concd. HCl 8 hrs., poured into 400 cc. H<sub>2</sub>O, and agi-  
 tated 1 hr. The diacetoxy deriv. (V) of IV (12.5 g.), not  
 described so far, was obtained, m. 154-6° (recrystd. from  
 EtOH, white needles, m. 157°). V (2 g.) was heated to  
 280-90°. Sublimation *in vacuo* at 130-80° gave 0.85 g. 1,4-  
 diacetoxy-naphthalene, m. 123-7° (MeOH), and a non-  
 volatile polymer, which was converted into benzoic acid as  
 above. It was concluded that the structures of III and IV  
 were as indicated. The Ph substituent in both III and IV  
 was either at the 2- or at the 8-position. The thermal  
 decompn. of III and IV followed the Alder-Rickert scheme.



T. Szall

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Moss bryological contributions to the flora of Romania. Studii biol  
agr Iasi 13 no.1:147-152 '62.

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Contributions to the knowledge of the bryological flora on  
Dealu Cetatii (Lempea), Brasov region. Studii biol agr Iasi  
13 no.2:277-281 '62.

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Local conditions and the forest cultures in the Danube Delta.  
Hidrologia 4:469-502 '63.

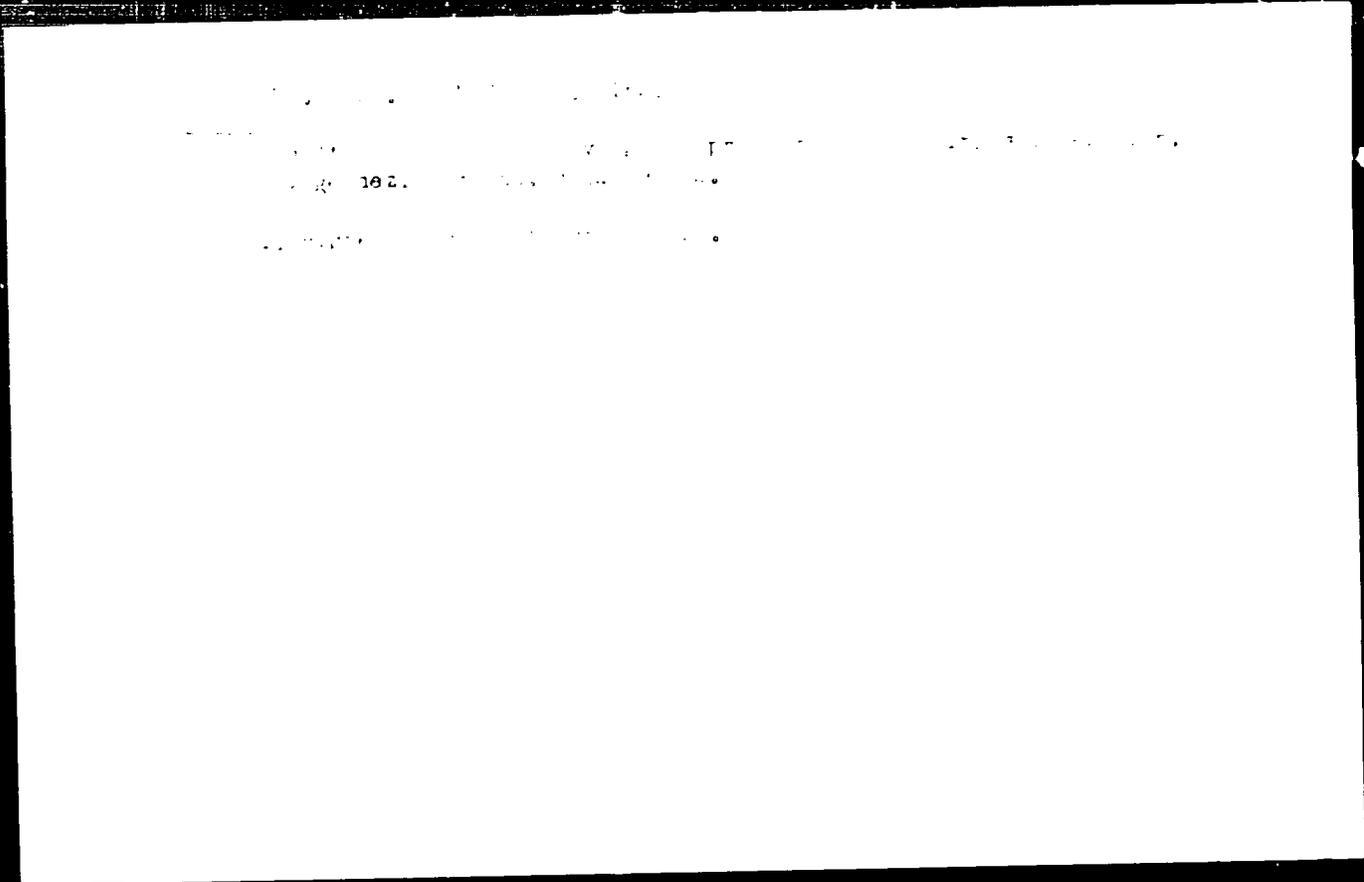
MIHAI, Gh; PASCAL, P.

Contributions to the study of the bryophytes in Dobruja.  
Studii biol agr Iasi 1/ 2:263-268 '63.

MIHAI, Gh. C., CHIFU, Th.; MITITIU, M.

Contributions to the study of the flora and vegetation in  
southwest Dobruja. Anal St Jassy II 10:159-165, 1962.

1. Submitted October 26-27, 1963.



MIHAI, Gh.; VITALARU, Gh.; CHIFU, Th.

Contributions to the study of the flora of Dobruja. Studii cerc  
biol s. bot 16 no.6:471-476 '64.

1. Laboratory of Plant Systematics, Faculty of Natural Sciences  
and Geography, "Al. I. Cuza" University, Iasi.

MIHAI, I., ing.; CIGUSIEVICI, M., ing.; DONICI, S., ing.

A meter for recording the number of functionings in dischargers  
of variable resistance. Energetica Rum 9 no.9:354-358 3 '61.

COJOCARU, V.; IVANCEANU, I.; MARINESCU, L.; MIHAI, I.; PETREASCU, M.

Detector of scintillations in gas with technical argon. Studi  
cerc fiz 16 no.8:917-921 '64.

1. Institute of Atomic Physics, P.O.Box 35, Bucharest.

M. M. I. P.

H-13

Country : GDR  
 Category : Concrete and Reinforced Concrete. Binding Materials.  
 Abs. Jour : Ref St. - Ind. 19 14, 199 No 50268  
 Author : M. M. I. P.  
 Institute :  
 Title : Autoclaving - Method of Preliminary Stresses

Orig. Pub. : Rev. konstruktivnii st mater. konstr., 1978,  
 10, No 1, 392-393

Abstract : Experiments conducted at the Sofia Structural Research Institute on the elements pertaining to regular and reinforced concrete, subjected to autoclaving, revealed differences in the elongation and contraction of concrete and steel under the influence of varying temperature. This phenomenon leads to the utilization in actual practice of the effect of re-contraction. The carrying elements are distinguished by means of normal methods and are

174

103

113

Country :  
Category : Chemical Technology.

Res. Jour : Pri Mur-Murizhko IL, 1958, No 30483

Author :  
Institute :  
Title :

Orig. Pub. :

Abstract : left out for 20-24 hours [sic] for the partial hydration of cement. During this period adhesion between steel and concrete reaches 2-3 kg/cm<sup>2</sup>, and the strength of concrete -40 kg/cm<sup>2</sup>. Then, the articles are placed into an autoclave and are treated in accordance with conditions, employed in the manufacture of cellular concrete products. In so doing and as the result of difference between the expansion

Words: 2/4

H 38

Country :  
 Category : Chem. H-15  
 Abs. Jour : Def. Mater. Science, Vol. 12, 1979, No. 5, 374  
 Author :  
 Institute :  
 Title :  
 Orig. Pub. :  
 Abstract :  
 Title :  
 Cards : 374  
 Country :

coefficients of steel and concrete, the initial adhesion between them is destroyed and the reinforcing rod is elongated twice as much as concrete. In the autoclaving process at constant conditions (170-1800 and 8-9 atm) the bondage between steel and concrete is gradually reestablished, and reaches the maximum at the completion of the process. The following gradual cooling, which is accompanied by varying degrees of contraction of

Country :  
Category : Chemical Technology. H-13

Doc. Jour : Ref Zhuk-Kharin, No 11, 1959, No 50468

Author :  
Institute :  
Title :

Orig Pub. :

Abstract : concrete and steel, leads to the elongation-  
Con'd expansion of reinforcing rods and to pre-  
contraction of concrete. Verification of the  
pre-contraction effect by employing autoclaving  
was conducted on a number of articles (rail-  
road ties etc). It was established that as a  
result of self-contraction that the resistance  
of concretes with regard to cracking is im-  
proved, consumption of cement is reduced by  
25-40%, and the strength of concrete is in-  
creased.--Ya. Matlis  
4/4

MIHAI, I.P., ing., candidat in stiinta tehnice

All-Union Conference for Problems Concerning Building on Loess  
Soil. Meteorologia hidrol gosp 7 no.1:71 '62.

13039-66 1 JK

ACC NR: AP6026859

SOURCE CODE: RU/0023/66/011/002/0163/0172

AUTHOR: Calomfirescu, Al.--Kalomfiroscu, A. (Doctor); Lucian, M.--Luchian, M. (Doctor);  
Mihai, Ilie--Mikhay, I. (Medical assistant)

25  
B

ORG: State Health Inspectorate, Bucharest (Inspectoratul sanitar de stat)

TITLE: Postvaccinal reactions in children vaccinated with DTP trivaccine

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 2, 1966, 163-172

TOPIC TAGS: epidemiology, encephalitis, vaccine, virus disease, immunity

ABSTRACT: In a study to determine the severity and frequency of postvaccinal reactions to the use of DTP trivaccine, the authors found that only one of the 239 cases of encephalitis, meningoencephalitis and meningitis with clear fluid which occurred in children born in 1960 through 1964 in Bucharest showed a possibility of a causal connection with the vaccination; this gives a probability of post-vaccination encephalitis of 1:200,000. Vaccination reactions (slight to medium) appear within 12 to 24 or at most 48 hours and disappear without treatment. Orig. art. has: 3 tables.  
[Based on authors' Eng. abst.] [JPRS: 36,834]

SUB CODE: 06 / SUBM DATE: 17Apr65 / ORIG REF: 009 / SOV REF: 010  
OTH REF: 018

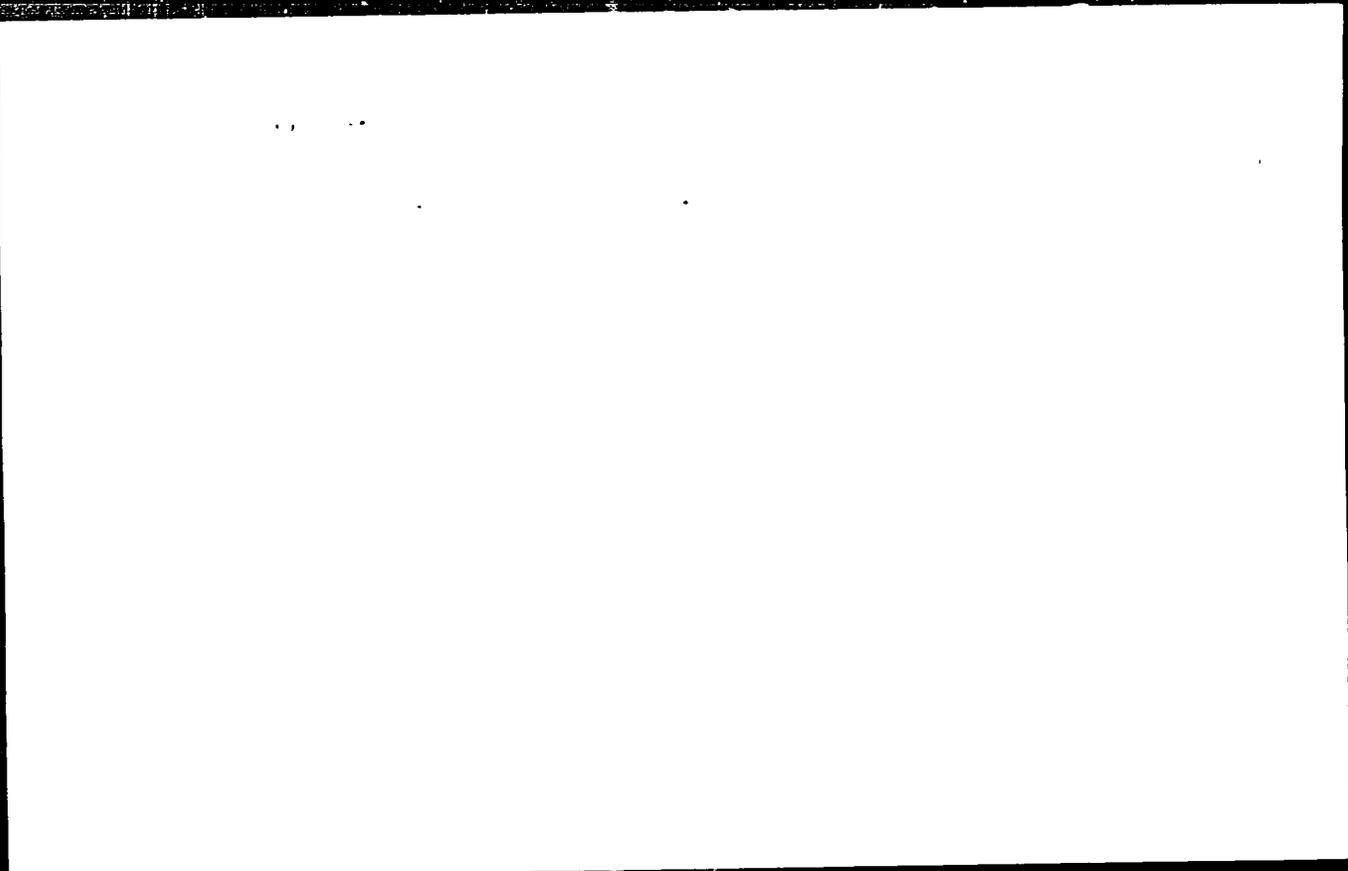
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UDC: 616.9-085.371-06

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APPROVED FOR RELEASE: 07/12/2001      CIA-RDP86-00513R001033910002-2"

MIHAL, L.

The Orlik Dam on the Vltava River in Czechoslovakia. p. 135.

HIDROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din  
Romina). Bucuresti, Rumania, Vol. 4, no. 4, Apr. 1959.

Monthly list of East European Accessions (EMA) LC Vol. 1, o. 3, <sup>Sept.</sup> 1959.

Uncl.

RUMANIA

BURMAZ, M., Dr, Col, TREGER, T., Dr, Lt-Col, MACAVEI, Gh., Dr, Lt-Col, and MIHAI, M., Dr, Lt-Col (affiliation not given)

"Some Considerations Concerning the Treatment of Malignant Tumors."

Bucharest, Revista Sanitara Militara, Vol 17, No 1, Jan-Feb 66, pp 65-76.

Abstract: An analysis of the 227 cases of malignant tumors treated in the surgical section of the Cluj Military hospital in 1959 through 1963. The cases are classified according to localization, sex, and type of treatment, and the results obtained are compared with those reported in the literature.

Includes 2 tables and 22 references, of which 14 are Rumanian, 3 German, one Belgian and 4 English-language. -- Manuscript submitted 19 July 1965.

MANEA, Gh.I.; ALEXANDRESCU, I.; MIHAI, Mircea

Present and prospective situation of sturgeons and their breeding  
in Rumania. Hidrologia 4:299-320 '63.



THAI, H.

Utilization of viaplast in installations for chemical purification  
of water from thermoelectric power stations. 1954

Vol. 2, no. 2, Feb. 1954

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Bucuresti

Source: East European Accessions List (1954-55) Vol. 5, no. 1  
Feb. 1956

MIHAI, Nicolae, ing.

Computing the duration of manufacturing cycle. Metalurgia constr  
mas 8 no.11:905-999 N '61.

(Machinery--Tables, calculations, e c.)

ENE, Horia I.; MIHAEL, Spirica I.

A plane motion with constant velocity in presence of a plane obstacle. Studii cerc. mat. 15, no. 4-471-476, 1964.

TOMESCU, D., cand. st. tehnice; MITROI, C., ing.; MIHAI, P., ing.

Increasing wear resistance of plow colters. Mec electrif  
agric 9 no. 1: 52-61 '64.

SUBJECT (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: "Jiul" Collective Farm (Gospodaria Agricola Colectiva "Jiul"), Straja, Dobrogea Regiune.

Source: Bucharest, Probleme Zootehnice si Veterinare, Vol XI, No 10, Oct 1961, pp 37-39.

Data: "Results Obtained as a Result of Artificial Inseminations in Sheep."

Authors:

RIHLI, St., -Engineer.-

TABIRCA, M., -Zootechnical Brigade Leader.-

CONSTANTINESCU, N.N., canitat in stiinte economice; MIHAI, St.

Struggle of the working class under the leadership of the Rumanian Communist Party against the bourgeois sabotage and for the reconstruction of industry. Period preceding the National Conference of the Rumanian Communist Party of 1945. Probleme econ 15 no.2:83-104 F '62.

BURLUI, D.; PRISCU, A.; MIULESCU, I.; MUNTEANU, R.; MIHAI, V.; SPINEANU, I.

Surgical treatment of the peripheral ischaemia syndrome by Ognev's operations associated in a single stage with medullosclerosis of the left adrenal gland. Rumanian med. rev. no.2.76-81 '62.  
(VASCULAR DISEASES) (SYMPATHECTOMY) (ADRENALECTOMY)

MIHAI, V., ing.

Problem of radioactive waste materials in the oil yards. Petrol  
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PAUNESCU, M., ing., MIHAIESCU, A., ing., GUTESCU, D., ing.  
IZDRAILA, V., ing.

Utilization of acicular filters and secant piles for the  
construction of silo foundations. Rev constr si mat constr  
15 no. 11: 580-585 N '63.

GITENSKI, I.; ROSENA, R. G.; MURPHY, J. L.

Measuring and representing the soilings at the site of the  
for cereals. But it is also Tim's to be used in the field.

R/009/61/000/004/00102  
D019/D105

AUTHORS: Mihăiescu, Constantin D., Engineer, and Ionescu, Constantin,  
Engineer

TITLE: Construction of semi-ellipsoidal bottoms from segments

PERIODICAL: Metalurgia și Construcția de Mașini, no 4, 1961, 339 - 344

TEXT: The article presents a method of calculating semi-ellipsoidal pressure vessel bottoms built of segments. Semi-ellipsoidal bottoms consist of a central section called "central rosette" and of an odd number of segments. The segments are produced by mechanical dishing, welded together and the complete semi-ellipsoidal bottom normalized or annealed. The theoretical bases of the relations determining the co-ordinates of the lateral profiles, are shown in Fig. 4 and 5. As  $\frac{AB}{2}$  is the abscissa X of

the points B or A on the lateral profile of the segment evolute and  $\overline{MN} + \overline{OM}$  the ordinate Y, the co-ordinates of various points of the evolute of a semi-ellipsoidal bottom segment can be determined by:

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D019/D105

Construction of semi-ellipsoidal ....

$$X = \overline{AB}/2 = a \frac{\cos \beta_1}{\cos \omega_1} \cdot \sin \left( \frac{80^\circ}{Z} \cos \omega_1 \right); \quad (14)$$

$$Y = \overline{MN} + \overline{OM} = a \left\{ E(\beta_1, \xi) \cdot \frac{\cos \beta_1}{\cos \omega_1} \left[ 1 - \cos \left( \frac{180^\circ}{Z} \cos \omega_1 \right) \right] \right\}; \quad (15)$$

where Z is the actual number of segments and  $E(\beta_1, \xi)$  the elliptic integral of the second kind of the ellipse arc, having the eccentricity  $\xi$ ; the arc modular span is expressed by the angle  $\beta_1$ . All semi-ellipsoidal bottoms must be in accordance with

$$\frac{h}{d} = 0.25, \quad (16)$$

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2019/510

Construction of semi-ellipsoidal ....

where  $h$  is the height of the bottom convex part and  $d$  its diameter. For determining the co-ordinates of the points by which the lateral profile of a segment evolute  $\beta_1$  is established, intervals of  $10^\circ$  in the calculation are recommended, i.e.  $\beta_1 = 0^\circ; 10^\circ; 20^\circ; \text{etc.}$  Substituting in the formulas (14) and (15)  $\pi/Z = M$  (17) and  $180^\circ/Z = N$  (18), the general formulas by which the co-ordinates of the points of the lateral profile can be determined will be for  $\beta_1 = 0^\circ$ :

$$X_0 = a.M; \quad (19)$$

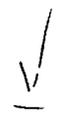
for  $0^\circ < \beta_1 \leq 90^\circ$

$$X_1 = a \frac{\cos \beta_1}{\cos \omega_1} \sin (N \cos \omega_1); \quad (20)$$

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D019/D105



Construction of semi-ellipsoidal ....

and for  $0^\circ \leq \beta_i \leq 90^\circ$

$$Y_i = a \left\{ E(\beta_i, \xi) + \frac{\cos \beta_i}{\cos \omega_i} \left[ 1 - \cos (N \cos \omega_i) \right] \right\}. \quad (21)$$

The co-ordinates  $X_i$  and  $Y_i$  are generally used for the midrib of a segment, the semi-axes  $a$  and  $b$  of the bottom in the formulas (19), (20) and (21) being thus considered in ratio to the midrib. In the upper part, where the segment joins the central rosette, the evolute must have the shape of the arc of a circle with a radius value being

$$r_n = a \cdot \cos \beta_i / \cos \omega_i. \quad (22)$$

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R/009/61/000/01/00002  
1019/0100

Construction of semi-ellipsoidal ....

The ordinate of the center of the circle with the radius  $r_n$  is

$$y_0'' = a \cdot E(\beta_1, \xi) + r_n \quad (21)$$

The lower part of the evolute of a segment is correspondent to the cylindrical part of the semi-ellipsoidal bottom and is recommended to be 25 - 100 mm. The length of the segment arc at the place where it joins the central rosette should not be less than 5 times the thickness of the sheet metal, while the diameter of the central rosette should not exceed one half of the bottom diameter. The height of the central rosette, shown in Fig. 1, is calculated by:

$$h_r = b(1 - \sin \beta_r), \quad (22)$$

where

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Construction of semi-ellipsoidal ....

$$\beta_r = \arccos\left(\frac{d'_n}{2a}\right). \quad (26)$$

The angle  $\varphi$ , establishing the position of the vector  $\overline{O_1M}$ , is determined by

$$\varphi_r = 90^\circ - \arctg\left(\frac{a}{b} \operatorname{tg}(\beta_r)\right). \quad (27)$$

An example of calculation is given, where the diameter of the bottom  $d$  is 2400 mm and the thickness  $s$  24 mm. A particular case of the semi-ellipsoidal bottoms is the construction of "petal" bottoms, shown in Fig. 10. As in the case of segments there must be an odd number of petals expressed by

$$\sin \alpha = \frac{1}{20} \cdot 1. \quad (28)$$

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Construction of semi-ellipsoidal ....

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D019/D105

The co-ordinates of the points determining the lateral profile of the petal are expressed by the formulas (19), (20) and (21). The other elements for the upper profile, the diameter and the height of the central rosette, etc., are calculated in the same manner. A collar which will be used in cutting out the petals has to be produced first. This part of the bottom is called "corolla with petals". The petals are dished by hand. After welding the petals and the central rosette, the bottoms are subjected to the same heat treatment as the semi-ellipsoidal bottoms manufactured from segments. There are 13 figures, 1 table and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: British standard for fusion welded pressure vessels for use in the chemical, petroleum and allied industries - nr.B.S.1500/1958.

ASSOCIATION: Uzinele "23 August" (Plant)

Card 7/11

J

MINAIETCU, S.

Contact of the wedges of a bit with the walls of a shaft hole. p. 344. Petrol  
Si Gaze. Bucuresti. Vol. 6, No. 8, Aug. 1964.

SOURCE: East European Accessions List (EEAL), LC. Vol. 6, No. 3, March 1966.

PAUNESCU, C.; IOAN, Al.; MIHAIL, A.; T. EODORESCU, B.

Clinical considerations on 60 cases of acquired tricuspid lesions. Stud. cercet. med. intern. 4 no. 6: 755-780 '63.

\*

RUMANIA

MIHAIL, Alexandra and ADERCA, I. of the Institute of Inframicrobiology of the RPR Academy (Institutul de Inframicrobiologie al Academiei RPR).

"Detection of Herpes Antigen in Cell Culture by Means of Fluorescent Antibodies."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 4, 1963, pp 435-440.

Abstract [Authors' English summary modified]: Three herpes virus strains were cultivated in human embryo cells and human amniotic cell cultures, line F.L. The fluorescent immune serum was human gamma-globulin with fluorescein isothiocyanate or Lissamine-rhodamine B 200. The results demonstrated that the herpes antigen appears initially in the nucleus and then passes into the cytoplasm. No difference in the localization of the antigen was noted between the 3 strains of virus studied.

Includes 3 figures and 13 references, of which 4 English-language and 9 Rumanian.

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8

RUMANIA

MIHAIL, A. of the Institute of Inframicrobiology of the RPR Academy (Institutul de Inframicrobiologie al Academiei RPR).

"Immunofluorescence in Inframicrobiology Research."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 4, 1963, pp 481-489.

Abstract: A review article on the various techniques of using antibodies marked with fluorescent substances. The various forms of antibody-antigen reaction are discussed as well as the principal techniques of immunofluorescent research, the preparation of the tissues, interpretation of the specificity data, the causes of non-specificity and principal results to date of immunofluorescent studies.

1/1

11

GIORAPCIU, S., dr.; MIHAIL, A., dr.; POPESCU, P., dr.; IOSIPESCU, A., dr.;  
MANOLESCU, N., tehnician

Clinical and anatomopathological aspects of rupture of the  
heart caused by myocardial infarct. Med. intern. 15 no.6:  
717-727 Je '63.

1. Lucrare efectuata in Clinica medicala a Spitalului "Coltea",  
Bucuresti.

(MYOCARDIAL INFARCT) (PATHOLOGY)  
(HEART SEPTUM, VENTRICULAR)

PAUNESCU, C., prof., POPESCU, P., dr.; MIHAIL, A., dr.; STOICA, I., dr.;  
CRUTESCU, M., dr.

Anatomo-clinical considerations on 8 cases of dissecting  
aneurysm of the aorta. Med. intern. 16 no. 2: 205-214 F'64.

1. Lucrare efectuata in Clinica medicala a Spitalului "Coltea",  
I.M.F., Bucuresti.

\*

MIHAIL, Anton, dr.; DORNESCU, Eliza, dr.; VREJOIU, Gh. dr.

Considerations on a case of double aneurysm of Valsalva's  
sinus. Med. intern. (Bucur.) 16 no.6:751-758 Je'64

1. Incrare efectuata in Clinica a III-a medical si Prosectura  
Spitalului "Coltea".

CHERCIU-TURCU, Natalia, ing.; MIHAIL, Amelia, chim.

Laboratory determination of glutamic acid in malt brewer's  
masz. Ind alim 14, no.9:370-373 S'63.

1. Fabrica de bere "Rahova".

THEODORESCU, B.; MIHAIL, A.; CUNESCU, V.; BOSSY, D.

Various aspects of pericarditis in myocardial infarct. Probl.  
card., Bucur. 4:107-110 '59.  
(MYOCARDIAL INFARCT, complications)  
(PERICARDITIS, etiology)

ZAVATE, O.; CONSTANTINESCU, N.; BIRZU, N.; OANA, C.; PANAITESCU, Gh.;  
MIHAIL, Al.

Inframicrobial infectious hepatitis in family environment. Studii  
cerc inframicrobiol Special issue-supplement to 12:285-294 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Insti-  
tutul de igiena, Iasi.

(HEPATITIS, INFECTIOUS)

MIHAIL, A., dr.; GHERASIM, I., dr.; VREJOIU, Gh., dr.; IGSIPESCU, A., dr.

Hemoperitoneum of non-traumatic hepatic origin. *Med. intern., Bucur*  
13 no.2:281-291 F '61.

1. Lucrare efectuata in Clinica a III-a medicala si Laboratorul de  
anatomie patologica. Spitalul "Coltea", Bucuresti.

(HEMOPERITONEUM etiology)  
(LIVER NEOPLASMS complications)  
(LIVER CIRRHOSIS complications)

MIHAIL, A., dr.; POPESCU, P., dr.; GHERASIM, L., dr.; PETRESCU, Xenia, dr.

Considerations on 50 cases of myocardial infarct. Med. intern. 14  
no.6:687-691 Je '62.

1. Lucrare efectuata in Clinica medicala "Coltea" (director: prof.  
Bazil Theodorescu).

(MYOCARDIAL INFARCT)

MIHAIL, A R.

RUM/NIA

I. ADERCA, M. IFTIMOVICI, M. IANCONESCU, G. DANIELESCU and A.R. MIHAIL, Inframicrobiology Institute, Rumanian Academy [of Science] (Institutul de Inf'microbiologie al Academiei R.P.R., [Bucharest.]

"Comparative Studies on the Susceptibility of Eight Cell Strains to Various Viruses."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 1-187.

Abstract [English summary modified]: Studies with Measles (Leningrad 4, Stockholm, Edmonston); adenovirus-3 Bratislava, Polio 1 LSC2 Sabin, ECHO 9 Hill, vaccinia Cantacuzino, Coxsackie A9 Budapest, Herpes 5433 Inst. Pasteur Paris, Mocol Prague, ECHO 10 Moscow and Columbia SK Cantacuzino. In general susceptibility varied more among the 8 tissue culture cell strains than among the 12 viruses. Embryonic Rabbit Kidney Westwood and HEp Toolan; HeLa and CM/SCH Salk were resistant; 4 other cells lines were less hardy. Discrepant reports in literature are ascribed to cell line variations during 2.5 years' cultivation. Ten tables; 1 Soviet, 2 Rumanian and 5 Western references.

1/1

MIHAIL A. R.

RUMANIA

M. IANCONESCU, I. ADERCA, M. IFTIMOVICI and A.R. MIHAIL [Affiliation same as above.]

"Comparative Study of Cytopathogenic Effect of Different Viruses on Cell Cultures. Cytopathogenic Effect of Measles on Epithelial Cells and Fibroblasts."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963; pp 203-211.

Abstract [English summary modified]: Effect of four measles virus strains on HeLa, FL human amnion, Detroit 6, KB and human embryonic lung; 'polynucleate' syncytia formation, intranuclear inclusion bodies were most consistent findings; sufficiently so to serve as preliminary diagnostic criterion. Seven photomicrographs; 4 Rumanian and 10 Western references.

1/1

ADERCA, I.; IFTIMOVICI, M.; IANCONESCU, M.; DANIELESCU, G.; MIHAIL, A.R.

Comparative research on the susceptibility of 8 cellular strains to different viruses. Stud. cercet. inframicrobiol. 14 no.2: 171-187 '63.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(VIRUS CULTIVATION) (TISSUE CULTURE)